

THE GENERA *SESBANIA* AND *DAUBENTONIA* ON COASTAL CENTRAL  
UNITED STATES

Clyde F. Reed

The genus *Sesbania* is represented in central eastern United States by *S. exaltata* (Raf.) Cory. The distribution given in Fernald (8th. ed., Gray's Manual, p. 902. 1950) and Gleason (Britton & Brown, Illus. Flora, 2: 413. 1952) is Alabama and Florida to Texas, north to Missouri and Oklahoma, being adventive from southeastern Pennsylvania to southeastern New York; also in the southwestern States and Tropical America.

The following are records of adventive specimens of *Sesbania exaltata* (Raf.) Cory from Maryland and Virginia. The flowers are yellow, mottled with purple; the pods are 10-20 cm. long, about 3 mm. wide, tipped with the elongated slender style, subtended by the persistent calyx. (*S. macrocarpa* Muhl.).

Maryland: Canton, Newkirk Street, Baltimore, on chrome ore piles. Oct. 14, 1958. Reed 41146. Virginia: Newport News, Warwick Co., on chrome ore piles, quite common. Aug. 7, 1959. Reed 44045; Nov. 15, 1959. Reed 45872.

The genus *Daubentonia* is represented along the Atlantic Coast of United States by *D. punicea* (Cav.) DC. (Mem. Leg., p. 286. 1826). The plants from along the Atlantic Coast and the Gulf Coast have gone under several names, as *Daubentonia longifolia* DC. (Jour. Agr. Res. 20: 507-513. 1920) and *Sesbania cavanillesii* Watson. Recently, Wilbur (Legum. Plants of North Carolina, N.C. Agr. Exp. Station, Tech. Bull. No. 151, 1963) mapped the distribution of *D. punicea* in that state.

*Daubentonia punicea* (Cav.) DC. is a shrub or small tree, with the leaves alternate and pinnate, with 20 to 60 leaflets, which are oblong and pointed; the flowers vary in color from scarlet to yellow (mostly scarlet), in racemes shorter than the leaves; the pods are oblong, 5-7 cm. long, compressed with four wings arising from the margins of the valves and produced beyond the sutures; the seeds are separated from one another by transverse partitions. Very Poisonous to live stock, especially sheep. (Marsh & Clawson, 1920, Jour. Agr. Research, 20(6): 507-513, plate, as *D. longifolia* DC.; Small, Flora of SE United States, p. 615. 1913). Florida to central Texas and Mexico; adventive northward to North Carolina.

North Carolina: Dare Co., Wanchese, Roanoke Island, common in swamps on south end of island, and in everyone's yard, as small trees up to 10 ft. Aug. 28, 1958. Reed 41982. Beaufort Co.: shrub, 5-7 ft. tall, cultivated near Bath. Aug. 17, 1957. Reed 39626. Onslow Co.: sandy wastes, Rt. 172, 6 mi. W of Swansboro. Sept. 25, 1960. Reed 48309. (Used for Cancer Project).